

Carla Ghelardini

List of Publications by Year in descending order

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401
papers

11,822
citations

36203

51
h-index

69108

77
g-index

408
all docs

408
docs citations

408
times ranked

13177
citing authors

#	ARTICLE	IF	CITATIONS
1	Menthol: a natural analgesic compound. <i>Neuroscience Letters</i> , 2002, 322, 145-148.	1.0	313
2	Local anaesthetic activity of β -caryophyllene. <i>Il Farmaco</i> , 2001, 56, 387-389.	0.9	229
3	A Smart Platform for Hyperthermia Application in Cancer Treatment: Cobalt-Doped Ferrite Nanoparticles Mineralized in Human Ferritin Cages. <i>ACS Nano</i> , 2014, 8, 4705-4719.	7.3	180
4	Local Anaesthetic Activity of the Essential Oil of <i>Lavandula angustifolia</i> . <i>Planta Medica</i> , 1999, 65, 700-703.	0.7	157
5	Oxaliplatin-Induced Neuropathy: Oxidative Stress as Pathological Mechanism. Protective Effect of Silibinin. <i>Journal of Pain</i> , 2012, 13, 276-284.	0.7	152
6	Morphologic Features and Glial Activation in Rat Oxaliplatin-Dependent Neuropathic Pain. <i>Journal of Pain</i> , 2013, 14, 1585-1600.	0.7	150
7	Development, characterization and in vivo evaluation of benzocaine-loaded liposomes. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2007, 67, 86-95.	2.0	137
8	Glial role in oxaliplatin-induced neuropathic pain. <i>Experimental Neurology</i> , 2014, 261, 22-33.	2.0	135
9	Inhibition of α 10 nicotinic acetylcholine receptors prevents chemotherapy-induced neuropathic pain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E1825-E1832.	3.3	135
10	Local Anaesthetic, Antibacterial and Antifungal Properties of Sesquiterpenes from Myrrh. <i>Planta Medica</i> , 2000, 66, 356-358.	0.7	127
11	A class of sulfonamide carbonic anhydrase inhibitors with neuropathic pain modulating effects. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 1828-1840.	1.4	126
12	[(3-Chlorophenyl)piperazinylpropyl]pyridazinones and Analogues as Potent Antinociceptive Agents. <i>Journal of Medicinal Chemistry</i> , 2003, 46, 1055-1059.	2.9	111
13	Analgesic effects of myrrh. <i>Nature</i> , 1996, 379, 29-29.	13.7	105
14	Design and Synthesis of Novel Nonsteroidal Anti-Inflammatory Drugs and Carbonic Anhydrase Inhibitors Hybrids (NSAIDs α CAIs) for the Treatment of Rheumatoid Arthritis. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 1159-1170.	2.9	104
15	Role of histamine in rodent antinociception. <i>British Journal of Pharmacology</i> , 1994, 111, 1269-1279.	2.7	103
16	Design and Study of Piracetam-like Nootropics, Controversial Members of the Problematic Class of Cognition-Enhancing Drugs. <i>Current Pharmaceutical Design</i> , 2002, 8, 125-138.	0.9	102
17	β -Conotoxin RgIA protects against the development of nerve injury-induced chronic pain and prevents both neuronal and glial derangement. <i>Pain</i> , 2014, 155, 1986-1995.	2.0	100
18	Effects of natural and synthetic isothiocyanate-based H ₂ S-releasers against chemotherapy-induced neuropathic pain: Role of Kv7 potassium channels. <i>Neuropharmacology</i> , 2017, 121, 49-59.	2.0	90

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19	Carbonic anhydrase inhibition for the management of cerebral ischemia: <i>in vivo</i> evaluation of sulfonamide and coumarin inhibitors. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016, 31, 894-899.	2.5	88
20	6-Substituted Sulfocoumarins Are Selective Carbonic Anhydrase IX and XII Inhibitors with Significant Cytotoxicity against Colorectal Cancer Cells. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 3975-3983.	2.9	87
21	Design, characterization and <i>in vivo</i> evaluation of nanostructured lipid carriers (NLC) as a new drug delivery system for hydrochlorothiazide oral administration in pediatric therapy. <i>Drug Delivery</i> , 2018, 25, 1910-1921.	2.5	86
22	Antineuropathic Profile of N-Palmitoylethanolamine in a Rat Model of Oxaliplatin-Induced Neurotoxicity. <i>PLoS ONE</i> , 2015, 10, e0128080.	1.1	81
23	Involvement of $\alpha 7$ nAChR subtype in rat oxaliplatin-induced neuropathy: Effects of selective activation. <i>Neuropharmacology</i> , 2014, 79, 37-48.	2.0	75
24	A class of pyrrole derivatives endowed with analgesic/anti-inflammatory activity. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 3695-3701.	1.4	74
25	The pharmacological basis of opioids. <i>Clinical Cases in Mineral and Bone Metabolism</i> , 2015, 12, 219-21.	1.0	74
26	Reversible antisense inhibition of Shaker-like Kv1.1 potassium channel expression impairs associative memory in mouse and rat. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 4430-4434.	3.3	73
27	The novel H ₂ S-donor 4-carboxyphenyl isothiocyanate promotes cardioprotective effects against ischemia/reperfusion injury through activation of mitoK _{ATP} channels and reduction of oxidative stress. <i>Pharmacological Research</i> , 2016, 113, 290-299.	3.1	71
28	Development and Pharmacological Characterization of Selective Blockers of 2-Arachidonoyl Glycerol Degradation with Efficacy in Rodent Models of Multiple Sclerosis and Pain. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 2612-2632.	2.9	70
29	Signaling pathway of morphine induced acute thermal hyperalgesia in mice. <i>Pain</i> , 2006, 123, 294-305.	2.0	69
30	Effect of preparation technique on the properties and <i>in vivo</i> efficacy of benzocaine-loaded ethosomes. <i>Journal of Liposome Research</i> , 2009, 19, 253-260.	1.5	68
31	Antinociception Induced by Amitriptyline and Imipramine Is Mediated by $\alpha 2A$ -Adrenoceptors. <i>The Japanese Journal of Pharmacology</i> , 2000, 82, 130-137.	1.2	66
32	The $\alpha 10$ nicotinic receptor antagonist α -conotoxin Rg1A prevents neuropathic pain induced by oxaliplatin treatment. <i>Experimental Neurology</i> , 2016, 282, 37-48.	2.0	65
33	Local Anaesthetic Activity of Monoterpenes and Phenylpropanes of Essential Oils. <i>Planta Medica</i> , 2001, 67, 564-566.	0.7	64
34	New 1,8-naphthyridine and quinoline derivatives as CB ₂ selective agonists. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 6505-6510.	1.0	64
35	Selenium and zinc: Two key players against cadmium-induced neuronal toxicity. <i>Toxicology in Vitro</i> , 2018, 48, 159-169.	1.1	64
36	Discovery of New Selenoureido Analogues of 4-(4-Fluorophenylureido)benzenesulfonamide as Carbonic Anhydrase Inhibitors. <i>ACS Medicinal Chemistry Letters</i> , 2017, 8, 963-968.	1.3	62

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37	Discovery of New Sulfonamide Carbonic Anhydrase IX Inhibitors Incorporating Nitrogenous Bases. <i>ACS Medicinal Chemistry Letters</i> , 2017, 8, 1314-1319.	1.3	61
38	Effect of glucoraphanin and sulforaphane against chemotherapy-induced neuropathic pain: Kv7 potassium channels modulation by H ₂ S release <i>in vivo</i> . <i>Phytotherapy Research</i> , 2018, 32, 2226-2234.	2.8	61
39	Anticancer properties of erucin, an H ₂ S-releasing isothiocyanate, on human pancreatic adenocarcinoma cells (AsPC1). <i>Phytotherapy Research</i> , 2019, 33, 845-855.	2.8	61
40	Involvement of potassium channels in amitriptyline and clomipramine analgesia. <i>Neuropharmacology</i> , 2001, 40, 75-84.	2.0	60
41	Different involvement of type 1, 2, and 3 ryanodine receptors in memory processes. <i>Learning and Memory</i> , 2008, 15, 315-323.	0.5	60
42	Effects of dietary extra-virgin olive oil on behaviour and brain biochemical parameters in ageing rats. <i>British Journal of Nutrition</i> , 2010, 103, 1674-1683.	1.2	60
43	Oxaliplatin Neurotoxicity Involves Peroxisome Alterations. PPAR β Agonism as Preventive Pharmacological Approach. <i>PLoS ONE</i> , 2014, 9, e102758.	1.1	59
44	A TRPA1 antagonist reverts oxaliplatin-induced neuropathic pain. <i>Scientific Reports</i> , 2013, 3, 2005.	1.6	58
45	Caffeine induces central cholinergic analgesia. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 1997, 356, 590-595.	1.4	56
46	Mono- and Disubstituted-3,8-diazabicyclo[3.2.1]octane Derivatives as Analgesics Structurally Related to Epibatidine: Synthesis, Activity, and Modeling. <i>Journal of Medicinal Chemistry</i> , 1998, 41, 674-681.	2.9	56
47	Cyclooxygenase-2 Inhibitors. 1,5-Diarylpyrrol-3-acetic Esters with Enhanced Inhibitory Activity toward Cyclooxygenase-2 and Improved Cyclooxygenase-2/Cyclooxygenase-1 Selectivity. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 5403-5411.	2.9	56
48	Activation of JNK pathway in spinal astrocytes contributes to acute ultra-low-dose morphine thermal hyperalgesia. <i>Pain</i> , 2015, 156, 1265-1275.	2.0	56
49	Oxaliplatin evokes P2X7-dependent glutamate release in the cerebral cortex: A pain mechanism mediated by Pannexin 1. <i>Neuropharmacology</i> , 2015, 97, 133-141.	2.0	56
50	Effects of Cadmium on ZO-1 Tight Junction Integrity of the Blood Brain Barrier. <i>International Journal of Molecular Sciences</i> , 2019, 20, 6010.	1.8	55
51	Local Anaesthetic Activity of (+)- and (-)-Menthol. <i>Planta Medica</i> , 2001, 67, 174-176.	0.7	54
52	St. John's Wort reduces neuropathic pain through a hypericin-mediated inhibition of the protein kinase C β and ϵ activity. <i>Biochemical Pharmacology</i> , 2010, 79, 1327-1336.	2.0	54
53	Discovery of Novel Nonsteroidal Anti-Inflammatory Drugs and Carbonic Anhydrase Inhibitors Hybrids (NSAIDs-CAs) for the Management of Rheumatoid Arthritis. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 4961-4977.	2.9	53
54	Effect of potassium channel modulators in mouse forced swimming test. <i>British Journal of Pharmacology</i> , 1999, 126, 1653-1659.	2.7	52

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55	Loss of muscarinic antinociception by antisense inhibition of M1 receptors. <i>British Journal of Pharmacology</i> , 2000, 129, 1633-1640.	2.7	52
56	Analgesic and Antineuropathic Drugs Acting Through Central Cholinergic Mechanisms. <i>Recent Patents on CNS Drug Discovery</i> , 2011, 6, 119-140.	0.9	52
57	Histamine H4 receptor activation alleviates neuropathic pain through differential regulation of ERK, JNK, and P38 MAPK phosphorylation. <i>Pain</i> , 2015, 156, 2492-2504.	2.0	52
58	Oxaliplatin-induced blood brain barrier loosening: a new point of view on chemotherapy-induced neurotoxicity. <i>Oncotarget</i> , 2018, 9, 23426-23438.	0.8	52
59	Intestinal inflammation increases convulsant activity and reduces antiepileptic drug efficacy in a mouse model of epilepsy. <i>Scientific Reports</i> , 2019, 9, 13983.	1.6	51
60	Synthesis, Biological Evaluation, and Enzyme Docking Simulations of 1,5-Diarylpyrrole-3-Alkoxyethyl Ethers as Selective Cyclooxygenase-2 Inhibitors Endowed with Anti-inflammatory and Antinociceptive Activity. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 4476-4481.	2.9	50
61	Protective effect of alpha7 nAChR: Behavioural and morphological features on neuropathy. <i>Pain</i> , 2010, 150, 542-549.	2.0	50
62	Development and in vivo evaluation of an innovative α -Hydrochlorothiazide-in Cyclodextrins-in Solid Lipid Nanoparticles formulation with sustained release and enhanced oral bioavailability for potential hypertension treatment in pediatrics. <i>International Journal of Pharmaceutics</i> , 2017, 521, 73-83.	2.6	50
63	Erucin exhibits vasorelaxing effects and antihypertensive activity by H ₂ S-releasing properties. <i>British Journal of Pharmacology</i> , 2020, 177, 824-835.	2.7	50
64	Influence of potassium channel modulators on cognitive processes in mice. <i>British Journal of Pharmacology</i> , 1998, 123, 1079-1084.	2.7	49
65	Acetyl-L-carnitine induces muscarinic antinociception in mice and rats. <i>Neuropharmacology</i> , 2002, 43, 1180-1187.	2.0	49
66	$\hat{\pm}$ Agonists as analgesic agents. <i>Medicinal Research Reviews</i> , 2009, 29, 339-368.	5.0	49
67	Low dose native type II collagen prevents pain in a rat osteoarthritis model. <i>BMC Musculoskeletal Disorders</i> , 2013, 14, 228.	0.8	49
68	Pleiotropic effect of histamine H4 receptor modulation in the central nervous system. <i>Neuropharmacology</i> , 2013, 71, 141-147.	2.0	49
69	Therapeutic Effects of the Superoxide Dismutase Mimetic Compound Me ₂ DO2A on Experimental Articular Pain in Rats. <i>Mediators of Inflammation</i> , 2013, 2013, 1-11.	1.4	49
70	Structural Investigation of the 7-Chloro-3-hydroxy-1H-quinazoline-2,4-dione Scaffold to Obtain AMPA and Kainate Receptor Selective Antagonists. <i>Synthesis, Pharmacological, and Molecular Modeling Studies. Journal of Medicinal Chemistry</i> , 2006, 49, 6015-6026.	2.9	48
71	Supraspinal role of protein kinase C in oxaliplatin-induced neuropathy in rat. <i>Pain</i> , 2009, 146, 141-147.	2.0	48
72	4-Hydroxy-3-nitro-5-ureido-benzenesulfonamides Selectively Target the Tumor-Associated Carbonic Anhydrase Isoforms IX and XII Showing Hypoxia-Enhanced Antiproliferative Profiles. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 10860-10874.	2.9	48

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73	The Phospholipase C-IP3 Pathway is Involved in Muscarinic Antinociception. <i>Neuropsychopharmacology</i> , 2003, 28, 888-897.	2.8	47
74	Regionally selective activation and differential regulation of ERK, JNK and p38 MAP kinase signalling pathway by protein kinase C in mood modulation. <i>International Journal of Neuropsychopharmacology</i> , 2012, 15, 781-793.	1.0	47
75	Identification of the First Synthetic Allosteric Modulator of the CB ₂ Receptors and Evidence of Its Efficacy for Neuropathic Pain Relief. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 276-287.	2.9	47
76	Neuroprotective effects of acetyl-L-carnitine on neuropathic pain and apoptosis: A role for the nicotinic receptor. <i>Journal of Neuroscience Research</i> , 2009, 87, 200-207.	1.3	45
77	New Insight into the Central Benzodiazepine Receptor-Ligand Interactions: Design, Synthesis, Biological Evaluation, and Molecular Modeling of 3-Substituted 6-Phenyl-4H-imidazo[1,5-a][1,4]benzodiazepines and Related Compounds. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 5694-5711.	2.9	45
78	Behavioural phenotype of histamine H4 receptor knockout mice: Focus on central neuronal functions. <i>Neuropharmacology</i> , 2017, 114, 48-57.	2.0	45
79	Structural investigations on coumarins leading to chromeno[4,3-c]pyrazol-4-ones and pyrano[4,3-c]pyrazol-4-ones: New scaffolds for the design of the tumor-associated carbonic anhydrase isoforms IX and XII. <i>European Journal of Medicinal Chemistry</i> , 2018, 146, 47-59.	2.6	45
80	Adenosine A3 agonists reverse neuropathic pain via T cell-mediated production of IL-10. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	44
81	Blockade of intracellular calcium release induces an antidepressant-like effect in the mouse forced swimming test. <i>Neuropharmacology</i> , 2006, 50, 309-316.	2.0	43
82	Novel Ester and Acid Derivatives of the 1,5-Diarylpyrrole Scaffold as Anti-Inflammatory and Analgesic Agents. Synthesis and in Vitro and in Vivo Biological Evaluation. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 723-733.	2.9	43
83	Novel Analgesic/Anti-Inflammatory Agents: 1,5-Diarylpyrrole Nitrooxyalkyl Ethers and Related Compounds as Cyclooxygenase-2 Inhibiting Nitric Oxide Donors. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 3191-3206.	2.9	43
84	Calcium alginate microspheres containing metformin hydrochloride niosomes and chitosomes aimed for oral therapy of type 2 diabetes mellitus. <i>International Journal of Pharmaceutics</i> , 2017, 530, 430-439.	2.6	43
85	Discovery of 1,5-Diphenylpyrazole-3-Carboxamide Derivatives as Potent, Reversible, and Selective Monoacylglycerol Lipase (MAGL) Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 1340-1354.	2.9	43
86	Tanshinones from <i>Salvia miltiorrhiza</i> Bunge revert chemotherapy-induced neuropathic pain and reduce glioblastoma cells malignancy. <i>Biomedicine and Pharmacotherapy</i> , 2018, 105, 1042-1049.	2.5	43
87	Adenosine A3 receptor activation inhibits pronociceptive N-type Ca ²⁺ currents and cell excitability in dorsal root ganglion neurons. <i>Pain</i> , 2019, 160, 1103-1118.	2.0	43
88	Central cholinergic antinociception induced by 5HT ₄ agonists: BIMU 1 and BIMU 8. <i>Life Sciences</i> , 1996, 58, 2297-2309.	2.0	42
89	Structure-Affinity Relationships of a Unique Nicotinic Ligand: N1-Dimethyl-N4-phenylpiperazinium iodide (DMPP). <i>Journal of Medicinal Chemistry</i> , 2001, 44, 3946-3955.	2.9	42
90	Novel Analgesic/Anti-Inflammatory Agents: Diarylpyrrole Acetic Esters Endowed with Nitric Oxide Releasing Properties. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 7759-7771.	2.9	42

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91	Alpha-2 agonist-induced memory impairment is mediated by the alpha-2A-adrenoceptor subtype. <i>Behavioural Brain Research</i> , 2004, 153, 409-417.	1.2	41
92	A Novel Manganese Complex Effective as Superoxide Anion Scavenger and Therapeutic Agent against Cell and Tissue Oxidative Injury. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 7273-7283.	2.9	41
93	Liposomal formulations of prilocaine: effect of complexation with hydroxypropyl- β -cyclodextrin on drug anesthetic efficacy. <i>Journal of Liposome Research</i> , 2010, 20, 315-322.	1.5	41
94	Antihyperalgesic activity of verbascoside in two models of neuropathic pain. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 63, 594-601.	1.2	41
95	Salvianolic acid B and its liposomal formulations: Anti-hyperalgesic activity in the treatment of neuropathic pain. <i>European Journal of Pharmaceutical Sciences</i> , 2011, 44, 552-558.	1.9	41
96	Serotonergic modulation in neuropathy induced by oxaliplatin: Effect on the 5HT _{2C} receptor. <i>European Journal of Pharmacology</i> , 2014, 735, 141-149.	1.7	40
97	Selective Blockade of HCN1/HCN2 Channels as a Potential Pharmacological Strategy Against Pain. <i>Frontiers in Pharmacology</i> , 2018, 9, 1252.	1.6	40
98	A Prolonged Protein Kinase C-Mediated, Opioid-Related Antinociceptive Effect of St John's Wort in Mice. <i>Journal of Pain</i> , 2010, 11, 149-159.	0.7	39
99	Heterocoumarins Are Selective Carbonic Anhydrase IX and XII Inhibitors with Cytotoxic Effects against Cancer Cells Lines. <i>ACS Medicinal Chemistry Letters</i> , 2018, 9, 947-951.	1.3	39
100	Design, synthesis and X-ray crystallography of selenides bearing benzenesulfonamide moiety with neuropathic pain modulating effects. <i>European Journal of Medicinal Chemistry</i> , 2018, 154, 210-219.	2.6	39
101	Synthesis and Evaluation of Carbonic Anhydrase Inhibitors with Carbon Monoxide Releasing Properties for the Management of Rheumatoid Arthritis. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 7233-7249.	2.9	39
102	Ethyl 8-Fluoro-6-(3-nitrophenyl)-4-imidazo[1,5-a][1,4]benzodiazepine-3-carboxylate as Novel, Highly Potent, and Safe Antianxiety Agent. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 4730-4743.	2.9	38
103	Role of potassium channels in the antinociception induced by agonists of α_2 -adrenoceptors. <i>British Journal of Pharmacology</i> , 1999, 126, 1214-1220.	2.7	37
104	Hypofunctionality of G _i Proteins as Aetiopathogenic Mechanism for Migraine and Cluster Headache. <i>Cephalalgia</i> , 2001, 21, 38-45.	1.8	37
105	Central Cholinergic Challenging of Migraine by Testing Second-Generation Anticholinesterase Drugs. <i>Headache</i> , 2002, 42, 596-602.	1.8	37
106	Novel Potent 5-HT ₃ Receptor Ligands Based on the Pyrrolidone Structure: Synthesis, Biological Evaluation, and Computational Rationalization of the Ligand-Receptor Interaction Modalities. <i>Bioorganic and Medicinal Chemistry</i> , 2002, 10, 779-801.	1.4	36
107	Arylpiperazinylalkylpyridazinones and Analogues as Potent and Orally Active Antinociceptive Agents: Synthesis and Studies on Mechanism of Action. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 7826-7835.	2.9	36
108	Investigation into the role of histamine receptors in rodent antinociception. <i>Pharmacology Biochemistry and Behavior</i> , 1996, 53, 567-574.	1.3	35

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109	Supraspinal $G\hat{1}2\hat{3}$ -dependent stimulation of PLC $\hat{2}3$ originating from G inhibitory protein $\hat{1}4$ opioid receptor-coupling is necessary for morphine induced acute hyperalgesia. <i>Journal of Neurochemistry</i> , 2009, 111, 171-180.	2.1	35
110	Delay of Morphine Tolerance by Palmitoylethanolamide. <i>BioMed Research International</i> , 2015, 2015, 1-12.	0.9	35
111	Functional Selectivity and Antinociceptive Effects of a Novel KOPr Agonist. <i>Frontiers in Pharmacology</i> , 2020, 11, 188.	1.6	35
112	Regionally selective activation of ERK and JNK in morphine paradoxical hyperalgesia: A step toward improving opioid pain therapy. <i>Neuropharmacology</i> , 2014, 86, 67-77.	2.0	34
113	Liposomal Formulation to Increase Stability and Prolong Antineuropathic Activity of Verbascoside. <i>Planta Medica</i> , 2017, 83, 412-419.	0.7	34
114	HuD-mediated distinct BDNF regulatory pathways promote regeneration after nerve injury. <i>Brain Research</i> , 2017, 1659, 55-63.	1.1	34
115	Prophylactic versus Therapeutic Fingolimod: Restoration of Presynaptic Defects in Mice Suffering from Experimental Autoimmune Encephalomyelitis. <i>PLoS ONE</i> , 2017, 12, e0170825.	1.1	34
116	Presynaptic Cholinergic Modulators as Potent Cognition Enhancers and Analgesic Drugs. 2. 2-Phenoxy-, 2-(Phenylthio)-, and 2-(Phenylamino)alkanoic Acid Esters. <i>Journal of Medicinal Chemistry</i> , 1994, 37, 1712-1719.	2.9	33
117	Pharmacological identification of SM-21, the novel $\hat{1}2$ antagonist. <i>Pharmacology Biochemistry and Behavior</i> , 2000, 67, 659-662.	1.3	33
118	Effect of the SOD mimetic MnL4 on in vitro and in vivo oxaliplatin toxicity: Possible aid in chemotherapy induced neuropathy. <i>Free Radical Biology and Medicine</i> , 2016, 93, 67-76.	1.3	33
119	Adipose-derived stem cells decrease pain in a rat model of oxaliplatin-induced neuropathy: Role of VEGF-A modulation. <i>Neuropharmacology</i> , 2018, 131, 166-175.	2.0	33
120	Presynaptic Cholinergic Modulators as Potent Cognition Enhancers and Analgesic Drugs. 1. Tropic and 2-Phenylpropionic Acid Esters. <i>Journal of Medicinal Chemistry</i> , 1994, 37, 1704-1711.	2.9	32
121	M1 receptor activation is a requirement for arecoline analgesia. <i>Il Farmaco</i> , 2001, 56, 383-385.	0.9	32
122	Synthesis, Biological Evaluation, and Receptor Docking Simulations of 2-[(Acylamino)ethyl]-1,4-benzodiazepines as $\hat{1}$ -Opioid Receptor Agonists Endowed with Antinociceptive and Antiamnesic Activity. <i>Journal of Medicinal Chemistry</i> , 2003, 46, 3853-3864.	2.9	32
123	Acute effect of Capparis spinosa root extracts on rat articular pain. <i>Journal of Ethnopharmacology</i> , 2016, 193, 456-465.	2.0	32
124	Discovery of new 2, 5-disubstituted 1,3-selenazoles as selective human carbonic anhydrase IX inhibitors with potent anti-tumor activity. <i>European Journal of Medicinal Chemistry</i> , 2018, 157, 1214-1222.	2.6	32
125	$\hat{2}$ Adrenoceptor: a Target for Neuropathic Pain Treatment. <i>Mini-Reviews in Medicinal Chemistry</i> , 2016, 17, 95-107.	1.1	32
126	A gene-specific cerebral types 1, 2, and 3 RyR protein knockdown induces an antidepressant-like effect in mice. <i>Journal of Neurochemistry</i> , 2008, 106, 2385-2394.	2.1	31

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127	Aminopyrrolic Synthetic Receptors for Monosaccharides: A Class of Carbohydrate-Binding Agents Endowed with Antibiotic Activity versus Pathogenic Yeasts. <i>Chemistry - A European Journal</i> , 2012, 18, 5064-5072.	1.7	31
128	3-Hydroxy-1H-quinazoline-2,4-dione derivatives as new antagonists at ionotropic glutamate receptors: Molecular modeling and pharmacological studies. <i>European Journal of Medicinal Chemistry</i> , 2012, 54, 470-482.	2.6	31
129	Nanostructured lipid carriers for oral delivery of silymarin: Improving its absorption and in vivo efficacy in type 2 diabetes and metabolic syndrome model. <i>International Journal of Pharmaceutics</i> , 2019, 572, 118838.	2.6	31
130	Molecular Simplification of 1,4-Diazabicyclo[4.3.0]nonan-9-ones Gives Piperazine Derivatives That Maintain High Nootropic Activity. <i>Journal of Medicinal Chemistry</i> , 2000, 43, 4499-4507.	2.9	30
131	Design, Synthesis, and Preliminary Pharmacological Evaluation of 1,4-Diazabicyclo[4.3.0]nonan-9-ones as a New Class of Highly Potent Nootropic Agents. <i>Journal of Medicinal Chemistry</i> , 2000, 43, 1969-1974.	2.9	30
132	H1-receptor stimulation induces hyperalgesia through activation of the phospholipase C-PKC pathway. <i>Neuropharmacology</i> , 2004, 47, 295-303.	2.0	30
133	PKC-mediated HuD-GAP43 pathway activation in a mouse model of antiretroviral painful neuropathy. <i>Pharmacological Research</i> , 2014, 81, 44-53.	3.1	30
134	Atomoxetine for hoarding disorder: A pre-clinical and clinical investigation. <i>Journal of Psychiatric Research</i> , 2016, 83, 240-248.	1.5	30
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